

Performance of hard red spring wheat cultivars with and without fungicide[†] on yield and agronomic traits at Forman, ND, 2013.

Cultivar	Height			Protein			Test Weight			Yield			DON		
	Combined	No Fung	Fung	Avg.	No Fung	Fung	Avg.	No Fung	Fung	Avg.	No Fung	Fung	Avg.		
	---cm---	-----%-----			-----lb/bu-----			-----bu/ac-----			-----ppm-----				
Advance	76.0	14.0	14.0	14.0	60.3	60.4	60.3	58.5	52.9	55.7	2.1	1.5	1.8		
Barlow	83.8	15.2	15.1	15.2	58.5	59.6	59.1	49.6	57.9	53.8	2.1	0.9	1.5		
Brennan	71.0	15.7	15.3	15.5	59.2	60.4	59.8	57.2	53.7	55.4	1.2	0.5	0.9		
Elgin	89.5	15.4	14.5	15.0	57.8	59.3	58.6	53.5	52.1	52.8	1.3	0.8	1.0		
Forefront	87.5	15.3	15.3	15.3	60.5	61.5	61.0	57.9	56.0	57.0	0.6	0.0	0.3		
Jenna	75.7	14.5	15.2	14.9	58.7	59.8	59.2	60.9	66.0	63.4	3.1	1.0	2.1		
LCS Albany	81.2	13.8	12.7	13.3	58.7	60.7	59.7	67.5	70.5	69.0	2.0	0.8	1.4		
LCS Breakaway	72.3	15.4	14.3	14.9	58.4	61.5	60.0	51.2	62.6	56.9	2.0	0.3	1.2		
LCS Powerplay	79.8	13.7	13.6	13.6	58.9	61.3	60.1	54.1	63.2	58.6	1.3	0.4	0.8		
Linkert	72.5	16.0	16.1	16.1	60.3	60.7	60.5	53.1	59.6	56.4	1.7	1.2	1.4		
Norden	80.8	15.0	14.9	15.0	59.4	60.4	59.9	50.0	60.1	55.0	1.9	1.0	1.5		
Prosper	83.3	13.9	14.0	13.9	59.8	59.3	59.6	61.3	64.1	62.7	1.1	0.4	0.8		
RB07	79.7	15.1	15.2	15.1	59.2	61.3	60.3	51.0	54.6	52.8	1.2	0.6	0.9		
Rollag	72.7	15.5	15.9	15.7	60.9	62.4	61.6	50.3	56.8	53.6	0.9	0.0	0.4		
SY Rowyn	74.2	14.9	14.1	14.5	60.2	61.2	60.7	55.3	62.8	59.1	1.8	0.3	1.1		
SY Soren	70.8	15.7	14.9	15.3	59.9	61.0	60.5	55.2	60.2	57.7	1.3	0.3	0.8		
Select	81.3	13.8	14.3	14.1	58.4	60.8	59.6	43.3	51.7	47.5	2.1	0.7	1.4		
Vantage	76.0	16.1	16.3	16.2	59.2	60.9	60.0	46.9	58.0	52.4	1.7	1.3	1.5		
Velva	83.2	14.8	14.8	14.8	57.8	57.1	57.5	48.0	55.0	51.5	4.7	2.1	3.4		
WB Mayville	70.7	16.0	15.0	15.5	57.0	59.9	58.5	51.6	61.1	56.4	3.9	1.2	2.5		
Mean	78.1	15.0	14.8	14.9	59.2	60.5	59.8	53.8	58.9	56.4	1.9	0.8	1.3		
CV	3.0	4.1			12.4			7.5			43.5				
LSD 0.10	2.3	NS [‡]		0.6 [§]	NS [‡]		NS [‡]	7.3 [‡]		4.1 [§]	0.3 [‡]		0.6 [§]		

[†] Fungicides consisted of Stratego at 10 fl oz/acre on 6/14/2013 and Prosaro at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.51.

[‡] For use in comparing any values within the two columns. NS signifies that the variety by fungicide interaction was not significant. When NS, no LSD was calculated.

[§] LSD for comparison of varieties averaged over fungicide treatments.